



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM
Search PubMed	for modified base is 5-methylcytosine					Go	Clear
Limits Preview/Index History Clipboard							

Display	Summary	Save	Text	Order	Details	Add to Clipboard
Show: 20	Items 1-20 of 70		Page 1 of 4		Select page: 14	

☐ **1:** Zhu B, Zheng Y, Angliker H, Schwarz S, Thiry S, Siegmann M, Jost JP. Related Ar
5-Methylcytosine DNA glycosylase activity is also present in the human MBD4 (G mismatch glycosylase) and in a related avian sequence.
Nucleic Acids Res. 2000 Nov 1;28(21):4157-65.
PMID: 11058112 [PubMed - indexed for MEDLINE]

☐ **2:** Momparler RL, Bovenzi V. Related Ar
DNA methylation and cancer.
J Cell Physiol. 2000 May;183(2):145-54. Review.
PMID: 10737890 [PubMed - indexed for MEDLINE]

☐ **3:** David-Cordonnier MH, Payet D, D'Halluin JC, Waring MJ, Travers AA, Bailly C. Related Ar
The DNA-binding domain of human c-Abl tyrosine kinase promotes the interaction a HMG chromosomal protein with DNA.
Nucleic Acids Res. 1999 Jun 1;27(11):2265-70.
PMID: 10325413 [PubMed - indexed for MEDLINE]

☒ **4:** Boudou V, Kerremans L, De Bouvere B, Lescrinier E, Schepers G, Busson R, Van Aerschot A, Herdewijn P. Related Ar
Base pairing of anhydrohexitol nucleosides with 2,6-diaminopurine, 5-methylcytosine and uracil as base moiety.
Nucleic Acids Res. 1999 Mar 15;27(6):1450-6.
PMID: 10037805 [PubMed - indexed for MEDLINE]

☐ **5:** Cote S, Sinnett D, Momparler RL. Related Ar
Demethylation by 5-aza-2'-deoxycytidine of specific 5-methylcytosine sites in the promoter region of the retinoic acid receptor beta gene in human colon carcinoma cells.
Anticancer Drugs. 1998 Oct;9(9):743-50.
PMID: 9840718 [PubMed - indexed for MEDLINE]

☐ **6:** Twomey DP, McKay LL, O'Sullivan DJ. Related Articles, Protein, Nucleic Acid
Molecular characterization of the Lactococcus lactis LlaKR2I restriction-modification system and effect of an IS982 element positioned between the restriction and modification genes.
J Bacteriol. 1998 Nov;180(22):5844-54.
PMID: 9811640 [PubMed - indexed for MEDLINE]

☐ **7:** Bailly C, Colson P, Houssier C, Rodrigues-Pereira E, Prudhomme M, Waring MJ. Related Ar
Recognition of specific sequences in DNA by a topoisomerase I inhibitor derived from

the antitumor drug rebeccamycin.

Mol Pharmacol. 1998 Jan;53(1):77-87.

PMID: 9443934 [PubMed - indexed for MEDLINE]

- ☐ 8: Schafer A, Tauch A, Droste N, Puhler A, Kalinowski J. Related Articles, Protein, Nucleic Acid

The *Corynebacterium glutamicum* cglIM gene encoding a 5-cytosine methyltransferase enzyme confers a specific DNA methylation pattern in an McrBC-deficient *Escherichia coli* strain.

Gene. 1997 Dec 12;203(2):95-101.

PMID: 9426239 [PubMed - indexed for MEDLINE]

- ☐ 9: Gamper HB Jr, Kutyavin IV, Rhinehart RL, Lokhov SG, Reed MW, Meyer RB. Related Articles

Modulation of Cm/T, G/A, and G/T triplex stability by conjugate groups in the presence and absence of KCl.

Biochemistry. 1997 Dec 2;36(48):14816-26.

PMID: 9398203 [PubMed - indexed for MEDLINE]

- ☐ 10: Twomey DP, Gabillet N, Daly C, Fitzgerald GF. Related Articles, Protein, Nucleic Acid

Molecular characterization of the restriction endonuclease gene (scrFIR) associated with the ScrFI restriction/modification system from *Lactococcus lactis* subsp. cremoris UC503.

Microbiology. 1997 Jul;143 (Pt 7):2277-86.

PMID: 9245816 [PubMed - indexed for MEDLINE]

- ☐ 11: Grosjean H, Szweykowska-Kulinska Z, Motorin Y, Fasiolo F, Simos G. Related Articles

Intron-dependent enzymatic formation of modified nucleosides in eukaryotic tRNA: a review.

Biochimie. 1997 May;79(5):293-302. Review.

PMID: 9258438 [PubMed - indexed for MEDLINE]

- ☐ 12: Zhou Y, Magill JM, Newton RJ, Magill C. Related Articles

Use of a single sequencing termination reaction to distinguish between cytosine and 5-methylcytosine in bisulfite-modified DNA.

Biotechniques. 1997 May;22(5):850-4. No abstract available.

PMID: 9149862 [PubMed - indexed for MEDLINE]

- ☐ 13: Lebedev Y, Akopyants N, Azhikina T, Shevchenko Y, Potapov V, Stecenko D, Beng D, Sverdlov E. Related Articles

No. Oligonucleotides containing 2-aminoadenine and 5-methylcytosine are more effective as primers for PCR amplification than their nonmodified counterparts.

Genet Anal. 1996 May;13(1):15-21.

PMID: 8781959 [PubMed - indexed for MEDLINE]

- ☐ 14: Pogribny IP, Poirier LA, James SJ. Related Articles

Differential sensitivity to loss of cytosine methyl groups within the hepatic p53 gene in folate/methyl deficient rats.

Carcinogenesis. 1995 Nov;16(11):2863-7.

PMID: 7586211 [PubMed - indexed for MEDLINE]

- ☐ 15: Heby O. Related Articles

DNA methylation and polyamines in embryonic development and cancer.

Int J Dev Biol. 1995 Oct;39(5):737-57. Review.
PMID: 8645558 [PubMed - indexed for MEDLINE]

☐ **16:** Kruger T, Wild C, Noyer-Weidner M.

Related Articles, Pro

McrB: a prokaryotic protein specifically recognizing DNA containing modified cytosine residues.

EMBO J. 1995 Jun 1;14(11):2661-9.

PMID: 7781618 [PubMed - indexed for MEDLINE]

☐ **17:** Petrauskene OV, Gromova ES, Romanova EA, Volkov EM, Oretskaya TS, Shabarova ZA.

Related Ar

DNA duplexes containing methylated bases or non-nucleotide inserts in the recognition site are cleaved by restriction endonuclease R.EcoRII in presence of canonical substrate.

Gene. 1995 May 19;157(1-2):173-6.

PMID: 7607486 [PubMed - indexed for MEDLINE]

☐ **18:** Vairapandi M, Duker NJ.

Related Ar

Excision of ultraviolet-induced photoproducts of 5-methylcytosine from DNA.

Mutat Res. 1994 Sep;315(2):85-94.

PMID: 7521001 [PubMed - indexed for MEDLINE]

☐ **19:** Prasnyak MI, Veselovskaya SI, Myasnikov VA, Efremova EJ, Potapov VK, Limborska SA, Sverdlov ED.

Related Ar

Substitution of 2-aminoadenine and 5-methylcytosine for adenine and cytosine in hybridization probes increases the sensitivity of DNA fingerprinting.

Genomics. 1994 Jun;21(3):490-4.

PMID: 7959724 [PubMed - indexed for MEDLINE]

☐ **20:** Griffin S, Branch P, Xu YZ, Karran P.

Related Ar

DNA mismatch binding and incision at modified guanine bases by extracts of mammalian cells: implications for tolerance to DNA methylation damage.

Biochemistry. 1994 Apr 26;33(16):4787-93.

PMID: 8161538 [PubMed - indexed for MEDLINE]

Display	Summary	<input checked="" type="checkbox"/>	Save	Text	Order	Details	Add to Clipboard
Show:	20	<input type="checkbox"/>	Items 1-20 of 70	Page 1 of 4	Select page:	1	

[Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)
[Department of Health & Human Services](#)
[Freedom of Information Act](#) | [Disclaimer](#)